



Technical Applications Note 1

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Infinity 

Available Methods to Charge the GPS-LCD-MiiC Battery

The GPS MiiC console operates on a power source supplied by a removable 3.7 VDC Li-Ion rechargeable battery. Typically the Mini-USB port at the base of the GPS MiiC console is used with the supplied USB to Mini USB cable connected to a 5 VDC source of power: either from a PC, AC power adapter or other 5 VDC USB source to charge the battery. This document describes the methods of charging the battery and available options.

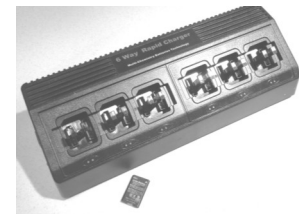
1) Recharge the battery using a cigarette lighter plug accessory: Convert 12 or 12-24 VDC from a vehicle's supply to 5 VDC; use the USB cable supplied with the GPS MiiC console, connect this cable to this adapter and in turn to the GPS LCD MiiC to charge the battery.



2) Recharge the battery using a 100-240 VAC to 5 VDC USB power adapter. Use the USB supplied cable connecting this power source to the GPS LCD MiiC console to charge the battery. *NOTE: Available are externally 12 VDC powered USB hubs from computer suppliers that may charge 4, 5, and upwards of 8 GPS MiiCs depending on the number of USB connections available.*



3) In the field exchange charged batteries with exhausted batteries, typically carrying a spare battery. At the base, in a vehicle or at incident command: Available is a 12 battery bank charger allowing one to charge up to 12 GPS LCD MiiC batteries at a time. *NOTE: Also available is a single battery charger where a single battery is dropped into the charger.*



4) Available is a multi chemistry, radio specific, 6 bank battery charger that allows one to insert up to 6 two way portable radio transceivers or radio batteries into the bank charger while connecting 6 USB cables from the charger to charge up to 6 GPS LCD MiiC consoles. This allows one to charge both two way radio and GPS console batteries simultaneously.



The GPS MiiC may remain connected to the two way radio transceiver with its cable. Cups are available to accommodate most types of two way radios.



5) Other Options:

Certain two way radio transceivers feature a power output connection where power is available on the radio's multi-pin connector when the radio is turned on. A radio specific cable may be manufactured where the two way radio transceiver charges the GPS LCD MiiC console's battery via this cable. Consult K&A or reseller for more details.

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